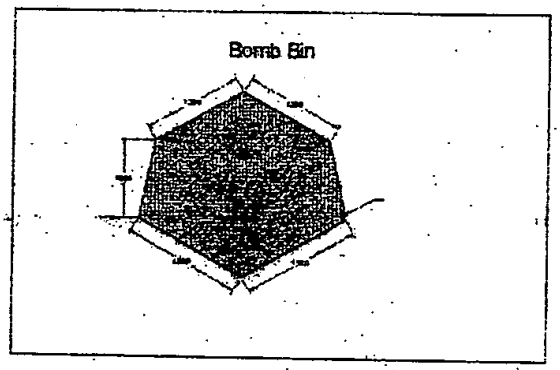
CINTEC

CINTEC Bomb Bin Data Sheet



CINTEC INTERNATIONAL v. PARKES
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Parkes' MOTION TO DISMISS (IN PART)
w/r/t U.S. Patents '967 and '188

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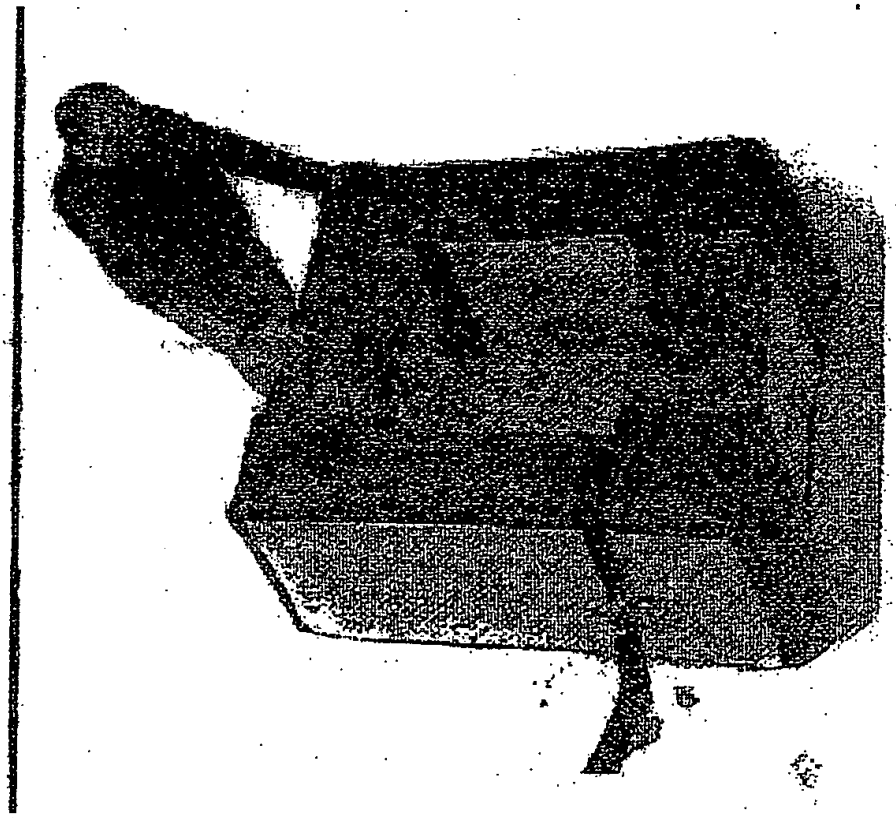

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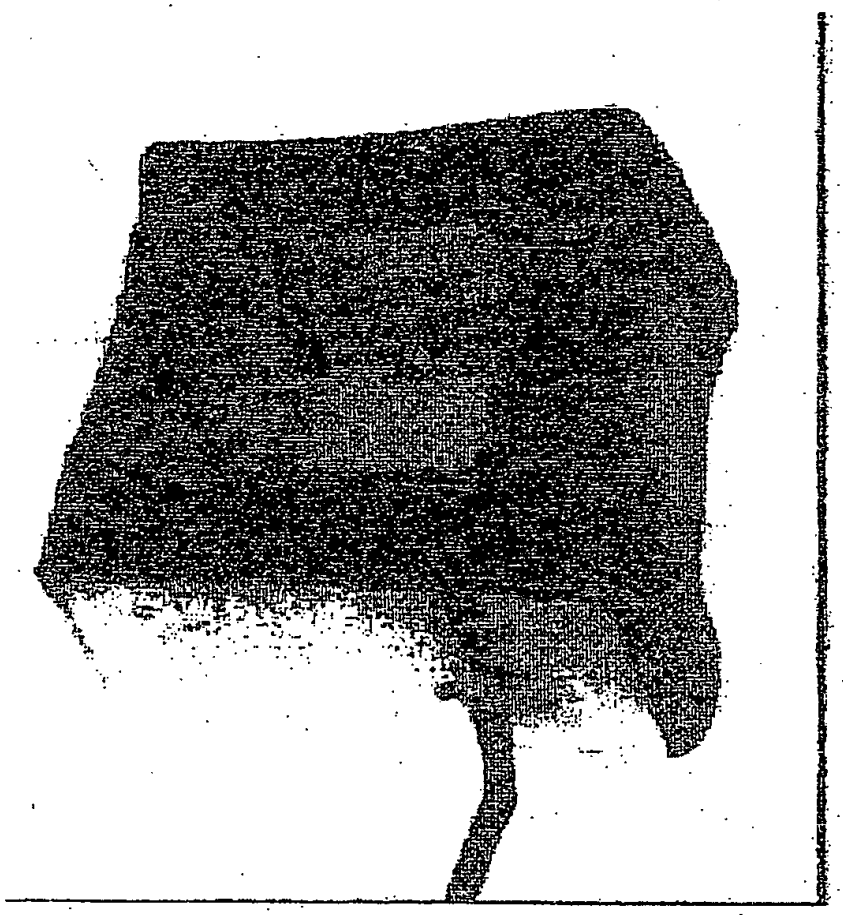
EXHIBIT A, Sheet No. 2



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Parkes' MOTION TO DISMISS (IN PART)
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EXHIBIT A, Sheet No. 3

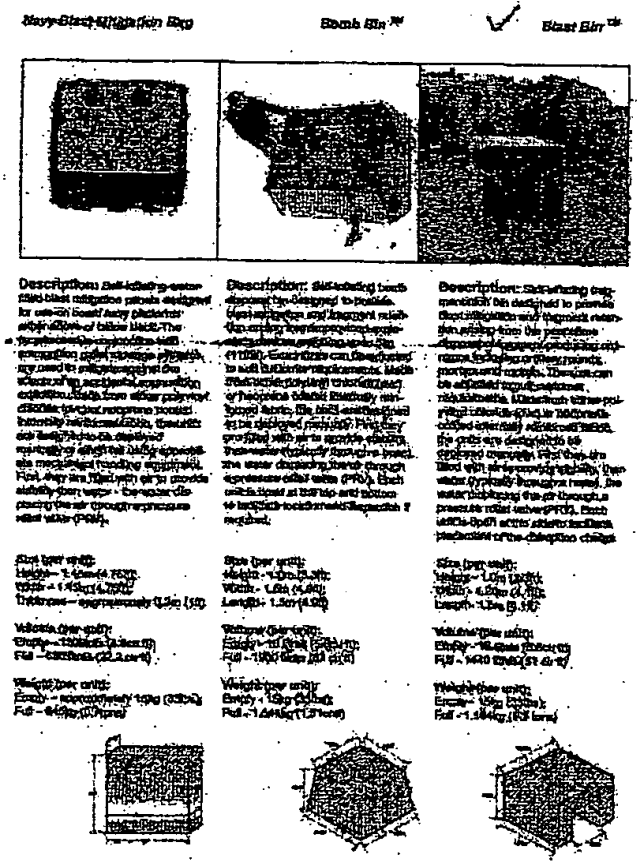

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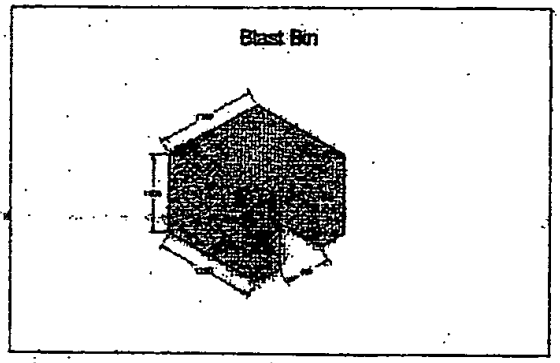
EXHIBIT A, Sheet No. 4

CINTEC

CINTEC Blast Bin Data Sheet

Blast Bin



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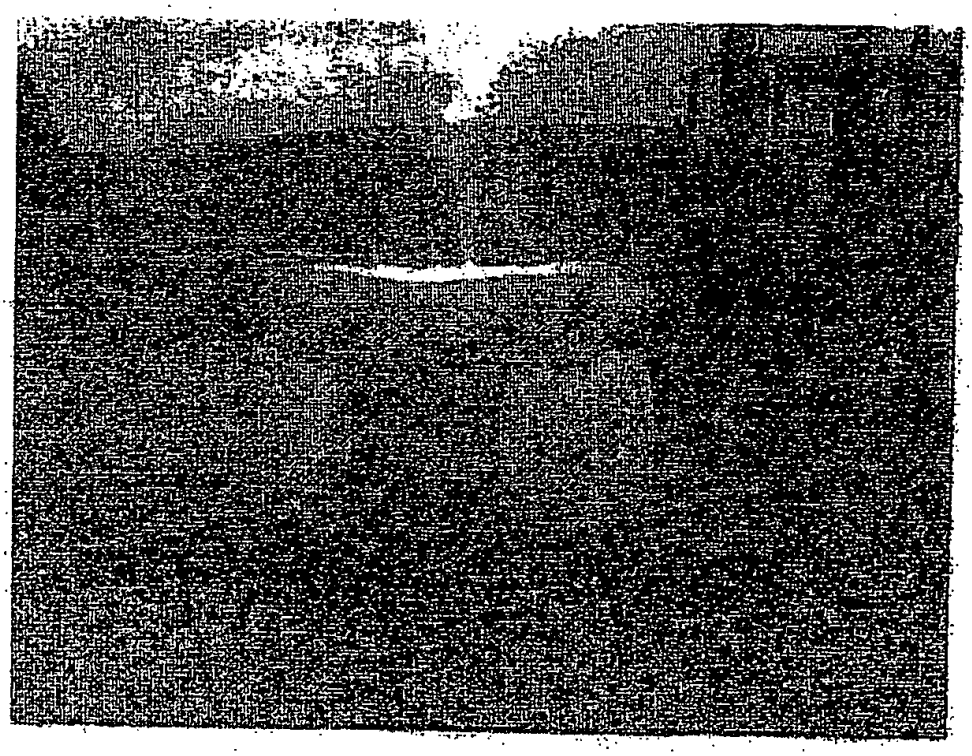

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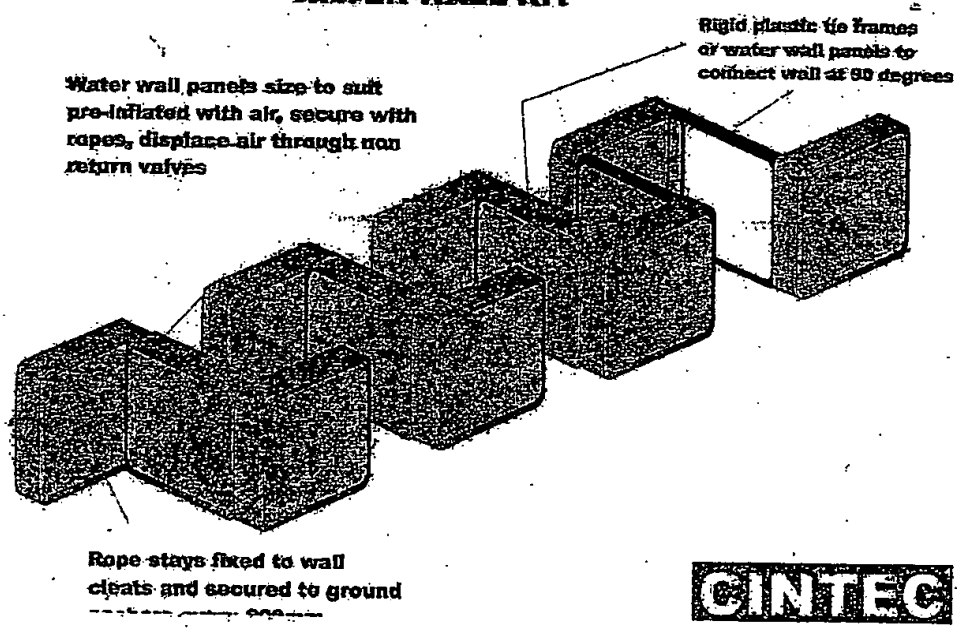
WATER WALL KIT



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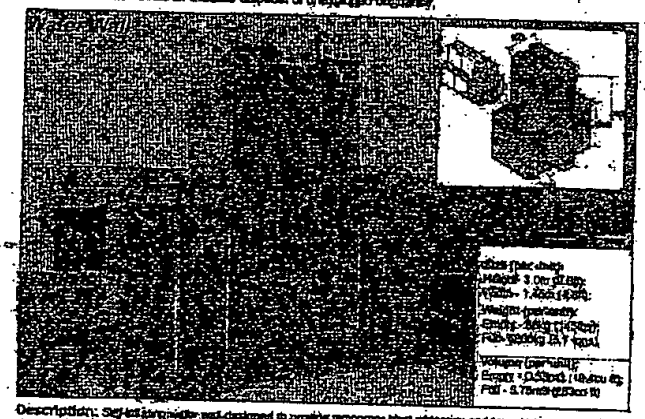
Waterwall™ Technology - External Blast Mitigation

In certain situations it is necessary effectively to isolate the structure from the effects of an explosion rather than reinforce the structure to resist it. Water, however relatively light in mass, has often been used to mitigate against the effects of explosions. In addition, quickly, it can dramatically reduce the damage caused by primary and secondary projectiles and incident with the immediacy of the explosion, reducing both the overall effectiveness of the primary explosive material. Other have produced a range of self-inflating water-filled components capable of protecting personnel and property against the effects of explosions such as terrorism as well as for the safe disposal of unexploded ordnance.



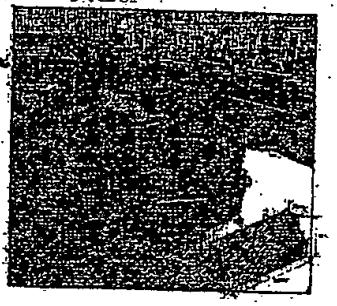
Description: Self-inflating water wall designed to provide temporary blast mitigation and fragment retention arising from detonation of explosive devices (VBIED) up to 500kg. Made from water proofed chloride (pvc) or neoprene coated internally reinforced fabric the units are designed to be deployed manually. Fast they are filled with air to provide stability, then water (typically from a fire hydrant), the water displaces the air through a pressure relief valve (PRV). Each unit connects with its neighbour to create a water-structure wall.

Size (per unit):
Height - 1.125m (3.7ft)
Width - 0.6m (2.0ft)
Length - 3.0m (9.8ft)

Volume (per unit):
Empty - 18 litres (3.9gal ft)
Full - 72.15 litres (15.9gal ft)

Weight (per unit):
Empty - 18kg (39lbs)
Full - 1,236kg (2,725lbs)

Rain Bag™



Description: Self-inflating rain bag designed to provide temporary protection arising from heavy rainfall up to 1 inch/25.4mm. Made from white polyethylene (pvc) or neoprene coated internally reinforced fabric the units are designed to be deployed manually. Fast they are filled with air to provide stability, then water (typically from a fire hydrant), the water displaces the air through a pressure relief valve (PRV). Each unit connects with its neighbour to create a water-structure wall.

Size (per unit):
Height - 1.125m (3.7ft)
Width - 0.6m (2.0ft)
Length - 3.0m (9.8ft)

Volume (per unit):
Empty - 18 litres (3.9gal ft)
Full - 72.15 litres (15.9gal ft)

Weight (per unit):
Empty - 18kg (39lbs)
Full - 1,236kg (2,725lbs)

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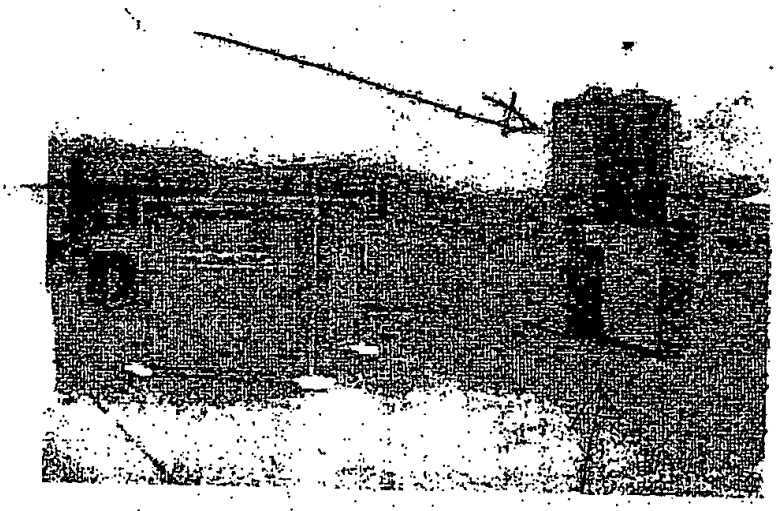

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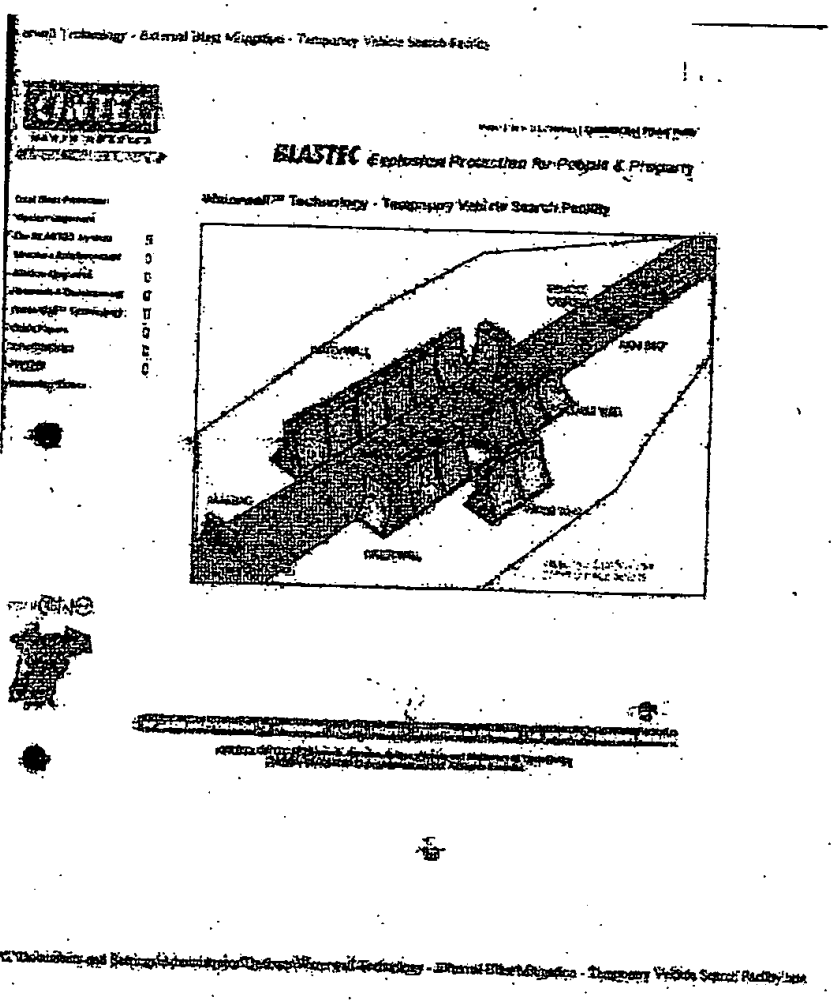

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EXHIBIT A, Sheet No. 10

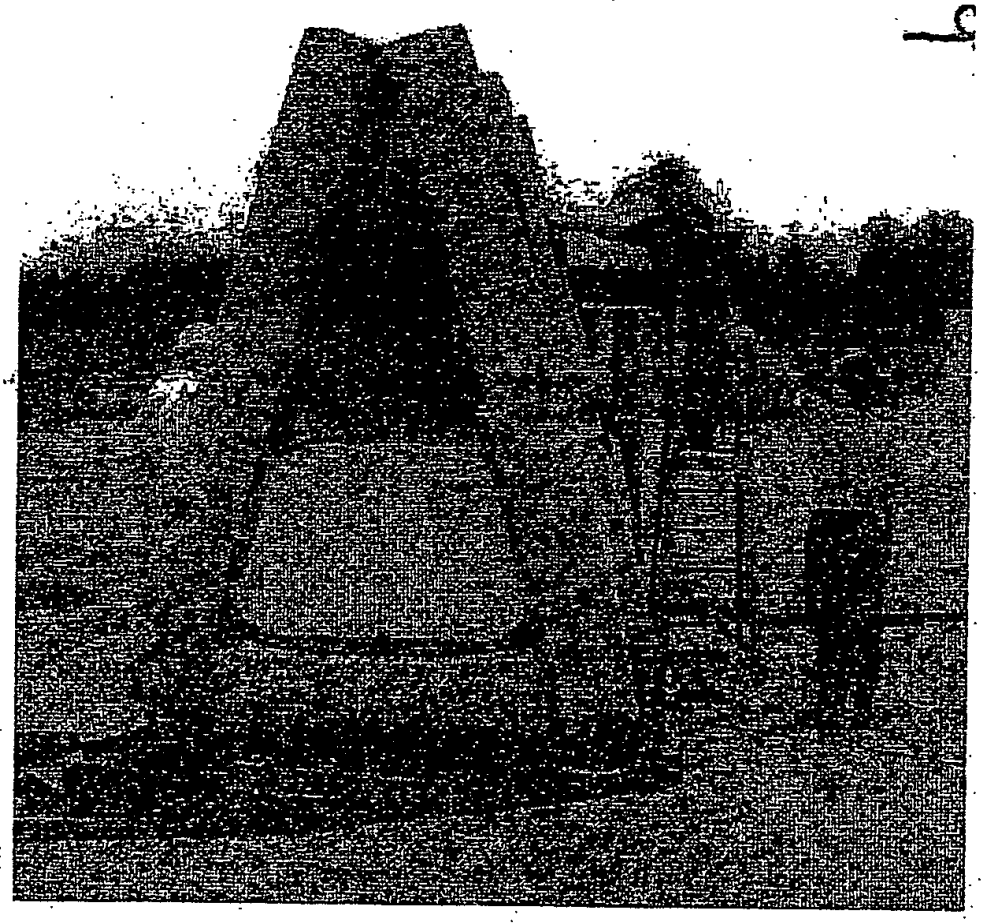

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EXHIBIT A, Sheet No. 11

CINTEC

CINTEC Rain Bag Data Sheet

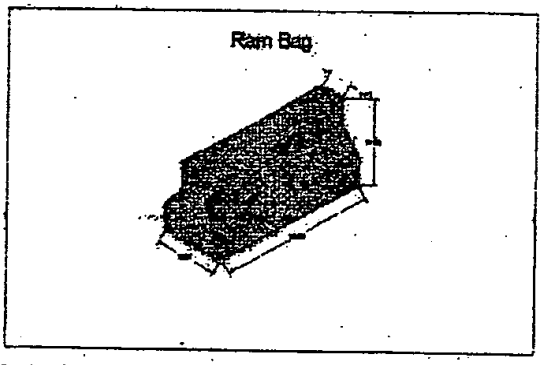

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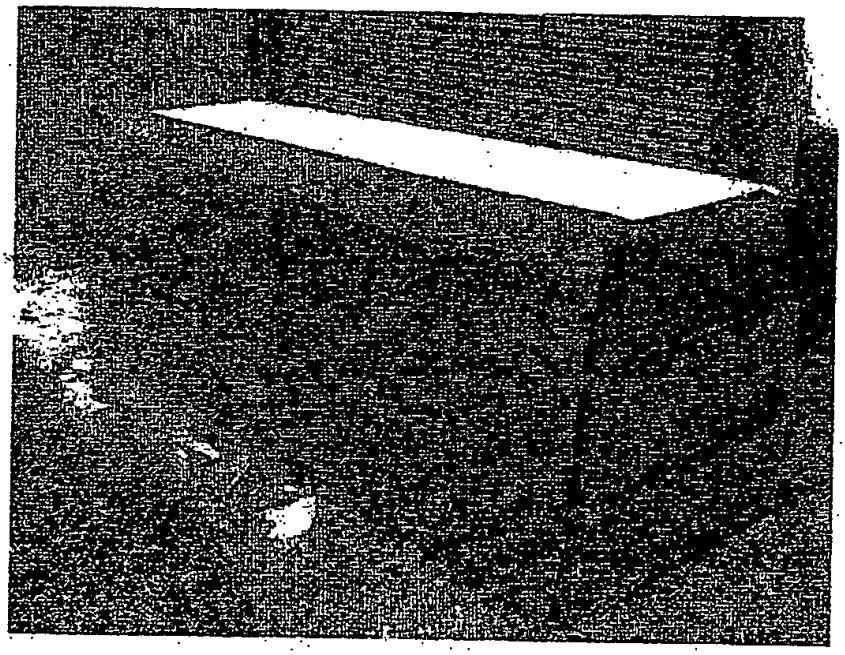
EXHIBIT A, Sheet No. 12



CINTEC INTERNATIONAL v. PARKES
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way. The Ram Bag will be given its first field trial at the Labour Party Conference in Blackpool, UK in September 2002.

Ram Bag – Front and rear views – designed to stop a 1500kg vehicle

Blastec Menu | Home

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Revised: November 22, 2002.

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Waterfall Technology - Enemet Blast Mitigation - Navy Blast Mitigation Bag

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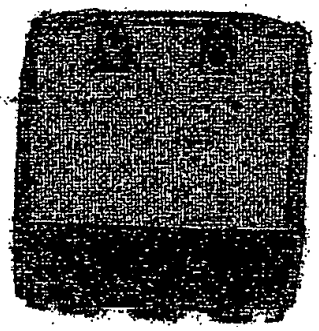
CINTEC

BLASTEC Explosion Protection for People & Property

Waterfall™ Technology - Navy Blast Mitigation Bag



Description: Self-inflating waterfilled blast mitigation panels designed for use on board navy platforms either above or below deck. The panels are in conjunction with association patrol stowage systems, designed to mitigate against the effects of an possible bomb explosion.

Made from either polyvinyl chloride (pvc) or polyester coated internally reinforced fabric, the units are designed to be deployed manually or when full using appropriate mechanical handling equipment.

Each may self-filled with air to provide stability then water - the water displacing the air through a pressure relief valve (PRV).

Size (per unit):
Height - 2.4mm (4.7ft)
Width - 1.140m (4.7ft)
Thickness - approx 0.3m (1.0ft)

Volume (per unit):
Empty - 180 litres (39gal 6)
Full - 650 litres (22.2 cu ft)

Weight (per unit):
Empty - approximately 70kg (155lbs)
Full - 650kg (0.7tons)

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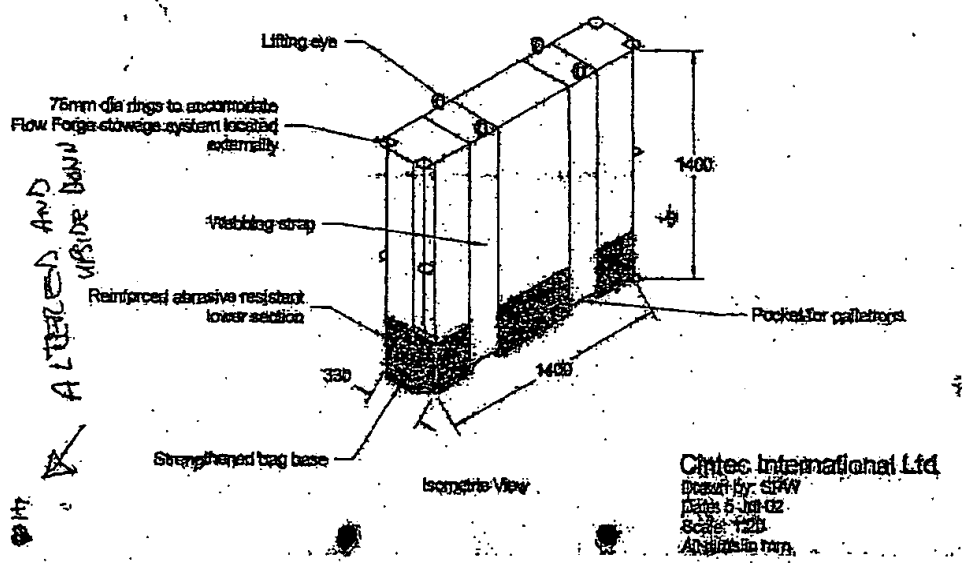
Naval Blast Suppression Bag



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Army Technology - The Website for Defence Industries - Army

Return to Military and Civil Infrastructure and Construction

Cintec

CINTEC - BLAST MITIGATION AND PROTECTION SYSTEMS

The Blastec System is a complete analysis, design and installation process that enables structures to withstand the adverse effects of blast loads. With each project and application, from high-rise buildings to historical structures, the Blastec System provides an innovative, cost-effective solution to total building protection.

Blast mitigation studies can be used to plan new security measures or examine weakness in existing mitigation measures.

Blast mitigation studies can be used to plan new security measures or examine weakness in existing mitigation measures.

TOTAL BLAST PROTECTION FOR STRUCTURES

The Blastec System begins with structural analysis and design. Once an explosive threat has been identified, building owners, occupants, law enforcement agencies and security personnel will want to know how the threatened structures will respond when subjected to adverse explosive loads. Blastec's structural engineers have many years of international civilian and military experience gained in the analysis and design of structures subjected to weapons effects.

REINFORCEMENT OF MASONRY STRUCTURES

Many structures, particularly those in urban areas where there are high concentrations of historic or prestigious buildings, are of traditional masonry construction. Using state of the art discrete element software and engineering techniques, we specialise in the strengthening and restoration of existing masonry structures worldwide.

Cintec is able to analyse and strengthen all types of masonry structures in order to make them resist impulses associated with blast loads in excess of 250 psi-ms.

Cintec is able to analyse and strengthen all types of masonry

DESIGN OF RETROFIT SYSTEMS AND PRODUCTS

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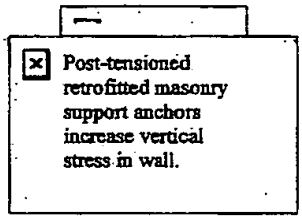
Through a series of professional partnerships and collaborative agreements with leading window and door manufacturers in both North America and Europe, we are able to offer a complete building retrofit package to resist the effects of explosions and ballistic attack. This 'turn-key' approach provides the best possible solution to the specific needs of the client and the general needs of the building effectively dispensing with the problems of dealing with multiple contractors. In the increasingly important world of building protection, many new and innovative products designed to save lives and money are continually being developed. We are able to appraise these products and incorporate them into the Blastec retrofit solution where appropriate.

structures in order to make them resist impulses associated with blast loads in excess of 250 psi-ms.

BLAST RESISTANT WINDOWS

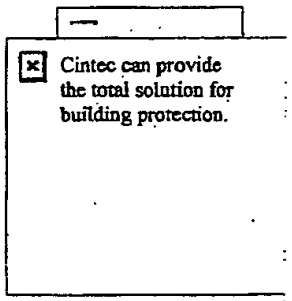
Cintec window upgrades ensure that securing the window goes beyond the glass. Cintec, in conjunction with other window upgrade specialists is able to provide a total "turn-key" building protection solution. The windows and laminates meet both US Federal government and UK Home Office criteria.



Post-tensioned retrofitted masonry support anchors increase vertical stress in wall.

EXTERNAL BLAST PROTECTION

Many cost-effective building protection measures have little to do with the actual building, but focus on the space surrounding it. Where it can be achieved, 'stand-off' or 'set-back' is without doubt the most effective technique to employ, but in urban environments this may be impossible or impracticable to achieve. The Blastec System offers a range of alternative blast mitigation possibilities. Based upon Water Wall™ technology, these include temporary self-inflating water walls, permanent permeable blast walls, vehicle anti-ram barriers and blast bins. All units are made from specially designed internally reinforced fabric. Units are designed for manual deployment.



Water Wall™ SELF-INFLATING WALL

Description: self-inflating water wall designed to provide temporary blast mitigation and fragment retention arising from vehicle-born

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improvised explosives devices (VBIED) up to 500kg. First they are filled with air to provide stability, then water (typically from a fire hydrant), the water displacing the air through a pressure relief valve (PRV). Each unit interlocks with its neighbour to create a stable unbroken wall.

Cintec can provide the total solution for building protection.

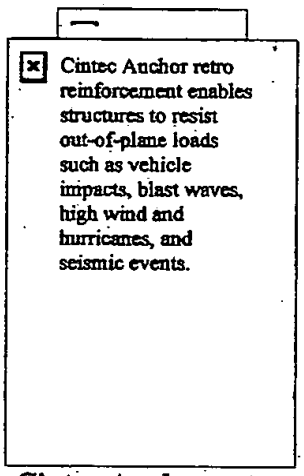
Ram Bag™ SELF-INFLATING ANTI-RAM BAG

Description: self-inflating anti-ram bag designed to provide temporary protection arising from moving vehicles up to 7t G.V.W. First they are filled with air to provide stability, then water (typically from a fire hydrant), the water displacing the air through a pressure relief valve (PRV). Each unit connects with its neighbour to create a stable unbroken wall.

Blast Bin™ SELF-INFLATING FRAGMENTATION BIN

Description: self-inflating fragmentation bin designed to provide blast mitigation and fragment retention arising from the peacetime disposal of fragment producing ordnance including artillery rounds, mortars and rockets. The size can be adjusted to suit customer requirements. First they are filled with air to provide stability, then water (typically through a hose), the water displacing the air through a pressure relief valve (PRV). Each unit is open at the side to facilitate placement of the disruption charge.

Cintec will be exhibiting at FPED 4, Quantico Marine Corps Base in May 2003.



Cintec Anchor retro reinforcement enables structures to resist out-of-plane loads such as vehicle impacts, blast waves, high wind and hurricanes, and seismic events.

Cintec
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Tel: +1 800 363 6066
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Email: mailto:blastec@cintec.com?cc=army@nri-ltd.com&subject=enquiry from www.army-technology.com
URL: http://www.cintec.com/
Secure website: http://www.cintec.net/

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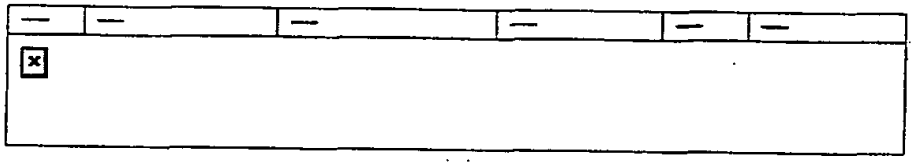

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